

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number
WO 2004/007701 A1

(51) International Patent Classification:
A61K 35/14, C07K 16/28, A61P 37/06

C12N 5/08,

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/EP2003/007551

(22) International Filing Date: 11 July 2003 (11.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
102 31 655.4 12 July 2002 (12.07.2002) DE

(71) Applicant (*for all designated States except US*): BLAS-
TICON BIOTECHNOLOGISCHE FORSCHUNG
GMBH [DE/DE]; Postfach 5113, 24063 Kiel (DE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): KREMER, Bernd,
Karl, Friedrich [DE/DE]; Fehmarnwinkel 18, 24107 Kiel
(DE). FÄNDRICH, Fred [DE/DE]; Moltkestrasse 81,
24105 Kiel (DE). RUHNKE, Maren [DE/DE]; York-
strasse 8, 24105 Kiel (DE).

(74) Agents: VOELKER, Ingeborg et al.; Uexküll & Stolberg,
Beselerstrasse 4, 22607 Hamburg (DE).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TRANSPLANT ACCEPTANCE INDUCING CELLS OF MONOCYTIC ORIGIN AND THEIR PREPARATION AND USE

(57) **Abstract:** The invention relates to transplant acceptance inducing cells of monocytic origin, their production as well as their use for generating transplant acceptance. The invention also relates to the monoclonal antibody GM-7, which specifically recognises human transplant acceptance inducing cells of the invention. The invention further relates to the use of the antibody GM-7 for detection and/or selection transplant-acceptance inducing cells.

WO 2004/007701 A1